



|  |  |                               |
|--|--|-------------------------------|
| <b>Form PTO-1449</b><br><b>INFORMATION DISCLOSURE CITATION</b><br><b>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> | Docket Number 55944-2000600                | Application Number 09/409,305 |
|  | Applicant<br><b>Craig D. ULLMAN et al.</b> |                               |
|  | Filing Date September 29, 1999             | Group Art Unit 2141           |
|  | Mailing Date March 11, 2004                |                               |

## U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No. | Name          | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------------|--------------|---------------|-------|----------|----------------------------|
|                   | 1.       | 11/15/1994 | 5,365,346A   | ABUMI         |       |          |                            |
|                   | 2.       | 3/1/1994   | 5,291,486A   | KOYANAGI      |       |          |                            |
|                   | 3.       | 6/2/1998   | 5,761,606    | WOLZIEN       |       |          |                            |
|                   | 4.       | 6/30/1998  | 5,774,664    | HIDARY et al. |       |          |                            |
|                   | 5.       | 7/7/1998   | 5,778,181    | HIDARY et al. |       |          |                            |
|                   |          |            |              |               |       |          |                            |

**RECEIVED**  
**MAR 12 2004**  
**Technology Center 2100**

## FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No. | Country       | Class | Subclass | Translation YES NO |
|-------------------|----------|------------|--------------|---------------|-------|----------|--------------------|
|                   | 6        | 08/23/2000 | 2,347,055    | GREAT BRITAIN |       |          | N/A                |
|                   | 7.       | 05/03/1989 | 0 314 572    | EUROPE        |       |          | N/A                |
|                   | 8.       | 09/29/1993 | 0 562 221A   | EUROPE        |       |          | N/A                |
|                   | 9.       | 11/11/1993 | W0 93/22877  | WIPO          |       |          | N/A                |
|                   | 10.      | 6/10/1993  | WO 93/11617  | WIPO          |       |          | N/A                |
|                   | 11.      | 6/22/2000  | WO 00/36886  | WIPO          |       |          | N/A                |

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc)

| Examiner Initials | Ref. No. | Title   |
|-------------------|----------|---|
|                   | 12.      | January 30, 2004 Supplemental Search and Examination Report from GB0022707.4.   |
|                   | 13.      | YU P.S. et al. "DESIGN AND ANALYSIS OF LOOK AHEAD SCHEDULING SCHEME TO SUPPORT PAUSE-RESUME FOR VIDEO-ON-DEMAND APPLICATIONS, Multimedia Systems, Volume 3, No. 4, Jan. 1995, pp. 137-149, XP000576898.                   |
|                   | 14.      | WITTIG et al. "INTELLIGENT MEDIA AGENTS IN INTERACTIVE TELEVISION SYSTEMS" Proceedings of the International Conference on Multimedia Computing and Systems, Los Alamitos, CA, US, 15 May 1995, pages 182-189, XP000603484 |

EXAMINER:

DATE CONSIDERED:

8/9/04

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



|   |  |                               |
|---|--|-------------------------------|
| <b>Form PTO-1449</b><br><br><b>INFORMATION DISCLOSURE CITATION</b><br><b>IN AN APPLICATION</b><br><br>(Use several sheets if necessary) | Docket Number 55944-2000600                    | Application Number 09/409,305 |
|   | Applicant<br><br><b>Craig D. ULLMAN et al.</b> |                               |
|   | Filing Date September 29, 1999                 | Group Art Unit 2141           |
|   | Mailing Date March 11, 2004                    |                               |

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Ref. No. | Date | Document No. | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------|--------------|------|-------|----------|----------------------------|
|                   |          |      |              |      |       |          |                            |
|                   |          |      |              |      |       |          |                            |
|                   |          |      |              |      |       |          |                            |
|                   |          |      |              |      |       |          |                            |
|                   |          |      |              |      |       |          |                            |
|                   |          |      |              |      |       |          |                            |
|                   |          |      |              |      |       |          |                            |

**RECEIVED**  
**MAR 12 2004**  
Technology Center 2100

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials | Ref. No. | Date       | Document No.   | Country       | Class | Subclass | Translation   |    |
|-------------------|----------|------------|----------------|---------------|-------|----------|---------------|----|
|                   |          |            |                |               |       |          | YES           | NO |
| <i>sk</i>         | 15.      | 07/13/1993 | 05176306       | JAPAN         |       |          | Abstract only |    |
| <i>sk</i>         | 16.      | 03/08/1995 | 0 673 164A1    | EUROPE        |       |          | N/A           |    |
| <i>sk</i>         | 17.      | 04/15/1993 | WO 93/07713    | WIPO          |       |          | N/A           |    |
| <i>sk</i>         | 18.      | 01/23/1997 | WO 97/02699    | WIPO          |       |          | N/A           |    |
| <i>sk</i>         | 19.      | 02/05/1997 | EP 0 757 485A2 | EUROPE        |       |          | N/A           |    |
| <i>sk</i>         | 20.      | 03/31/1999 | EP 0 757 485A3 | EUROPE        |       |          | N/A           |    |
| <i>sk</i>         | 21.      | 07/11/1984 | GB 2 132 856   | GREAT BRITAIN |       |          | N/A           |    |
| <i>sk</i>         | 22.      | 06/19/1997 | WO 97 22207    | WIPO          |       |          | N/A           |    |

**OTHER DOCUMENTS**

(including author, title, Date, Pertinent Pages, Etc)

| Examiner Initials | Ref. No. | Title |
|-------------------|----------|-------|
|                   |          |       |
|                   |          |       |
|                   |          |       |

EXAMINER:

*Steve Waller*

DATE CONSIDERED:

*8/9/04*

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

|  |                                  |                                |
|--|----------------------------------|--------------------------------|
| Form PTO-1449<br>INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION<br>(Use several sheets if necessary) | Docket Number: 559442000600      | Application Number: 09/409,305 |
|  | Applicant<br>Craig ULLMAN et al. |                                |
|  | Filing Date: September 29, 1999  | Group Art Unit: 2141           |
|  | Mailing Date: February 13, 2004  |                                |

## U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No. | Name         | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------------|--------------|--------------|-------|----------|----------------------------|
| <i>u</i>          | 1.       | 12/26/1995 | 5,479,268    | YOUNG et al. |       |          |                            |
| <i>u</i>          | 2.       | 05/25/1999 | 5,907,322    | KELLY et al. |       |          |                            |

RECEIVED

FEB 19 2004

## FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No.   | Country | Class | Subclass | Translation YES NO |
|-------------------|----------|------------|----------------|---------|-------|----------|--------------------|
| <i>u</i>          | 3.       | 02/01/1996 | 44 27 046 A1   | GERMANY |       |          | X                  |
| <i>u</i>          | 4.       | 03/07/1996 | 44 31 438 A1   | GERMANY |       |          | X                  |
| <i>u</i>          | 5.       | 06/19/1997 | WO 97/22207    | PCT     |       |          | Abstract X         |
| <i>u</i>          | 6.       | 11/25/1998 | EP 0879 536 B1 | EUROPE  |       |          | X                  |
| <i>u</i>          | 7.       |            |                |         |       |          |                    |

Technology Center 2100

## OTHER DOCUMENTS (including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title  |
|-------------------|----------|--|
| <i>u</i>          | 8.       | "Funkschau Fachzeitschrift für elektronische Kommunikation", Volume 6/96 of 3-1-96, pages 70-75, and English Translation of extract from Funkschau Fachzeitschrift für elektronische Kommunikation".                                     |
| <i>u</i>          | 9.       | NEWSBYTES: "Different takes on Wedding TV to Web" NEWSBYTES, 'Online! 1 March 1999 (1999-03-01), XP002257234 Retrieved from the Internet: <URL:www.exn.ca/Stories/1999/03/01/04.asp> 'retrieved on 2003-10-09! * page 1, last paragraph* |
| <i>u</i>          | 10.      | SANDRA BEAUDIN: "The Web is not TV, or is it?" DZINE, 'Online! 31 December 1996 (1996-12-31), XP002257235 Retrieved from the Internet: <URL:www.lcc.gatech.edu/gallery/dzine/webtv> 'retrieved on 2003-10-09! *paragraph 'HYPER TV!*     |
| <i>u</i>          | 11.      | KIERON MURPHY: "HyperTV fuses Java with television" JAVAWORLD, 'Online! May 1996 (1996-05), XP00257236 Retrieved from the Internet: <URL:www.javaworld.com/javaworld/jw-05-1996/jw-05-hypertv.html> 'retrieved on 2003-10-09!            |

EXAMINER:

*Steve Ullman*

DATE CONSIDERED:

8/9/08

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

BEST AVAILABLE COPY